

Operator's RADIUS Authentication Server 34 which communicates with the Integrated Network Controller via the IP network using UDP/IP protocols with additional protocol layers for security.

Page 4, Line 6

Change(s) applied to document, Please amend the paragraph that begins on Page 5, Line 23 as follows:

/J.M.C./

8/22/2011

The flow charts of FIG. 2 aptly describes the operation shown in the block diagram system of FIG. 1. After Start, in Step 1, the user purchases the equipment, which has been defined as the ~~User Equipment (UK)~~ User Equipment (UE) and a CD with the appropriate software and wizard procedure installed on it. A manual is also provided. The CD also contains, besides the installation software, the required software drivers. The user residence when the user purchases the foregoing may be checked for coverage via use of user's zip code or other geographic information. This information can all be provided by Internet Web access.

AMENDMENTS TO THE SPECIFICATION

Change(s) applied to document, Please amend the paragraph that begins on Page <sup>3</sup>4, Line 3 as follows:

/J.M.C./  
8/22/2011

The wireless access UE 21 and 22, as described in the above application, are a part of a UMTS/UTRAN system which by many wireless techniques (a specific novel one is described in the above application) communicates in a wireless manner via a UTRAN network as indicated by the symbol 23 to an Integrated Network Controller (INC) 24. Such controller may be connected by wireline or otherwise to an Internet Protocol (IP) Network 31. As discussed in the above pending application, the Integrated Network Controller 24 includes an RNC or Radio Network Controller 26 which controls and allocates the radio network resources and provides reliable delivery of user traffic between a base station (described in the above pending application) and ~~User Equipment (UE)~~ User Equipment (UE) and eventually the Integrated Network Controller (INC) 24. An SGSN (Serving General Packet Radio Service Support Node) 27 provides session control and connection to the Access Operator Radius Authentication Server 34 and, lastly, LAC 28 (layer 2 Tunneling Protocol Access Concentrator) provides the gateway functionality to the Internet Service Providers (ISP) 40 and to the registration server. A Layer 2 Tunneling Protocol Network Server (LNS) 30 terminates communication tunnels from the LAC through the IP network. The Access Operator Radius Authentication Server 34 supports the Home Location Register (HLR) functionality (described in the above pending application). The Access Operator Registration Server 36 provides the facilities for a new user to register.

Page 3, Line 26

Please amend the paragraph that begins on Page ~~5~~, Line ~~1~~ as follows:

In all cases of communication of a user equipment 21 or 22 through the Internet Protocol Network, illustrated as 31, authentication is performed by the ~~user equipment (UE)~~ User Equipment (UE) signaling the customer's wireless access authentication information which is passed over the air to Integrated Network Controller 24 which queries a RADIUS server authentication service with the user ID (identification) and temporary password. The RADIUS server used is the Access